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uhara A R ia tha fawh	idden gap width; A, the	preexponential	coefficient:	le Baltamar		
constant; 6, the elec- ated to be 0.18 and 0 because deviations from mental significance in semiconductor nature itanium oxides are di	trical conductivity; and .20 for Zr ₆ 0 and Zr ₃ 0, om stoichiometry are positive that they demonstrate of Zr ₆ 0 and Zr ₃ 0. Differences of Zr ₆ 0 and Zr ₃ 0. Differences of Zr ₆ 0 and Zr ₃ 0.	T, the absolute respectively. essible in the sithe presence of ferences in the as: 3 figures.	temperatu These valu amples, but a forbickler bonding typ	re. AE was as are not de they are of a gap, and he es of sircont	calcu- finitive funda-	
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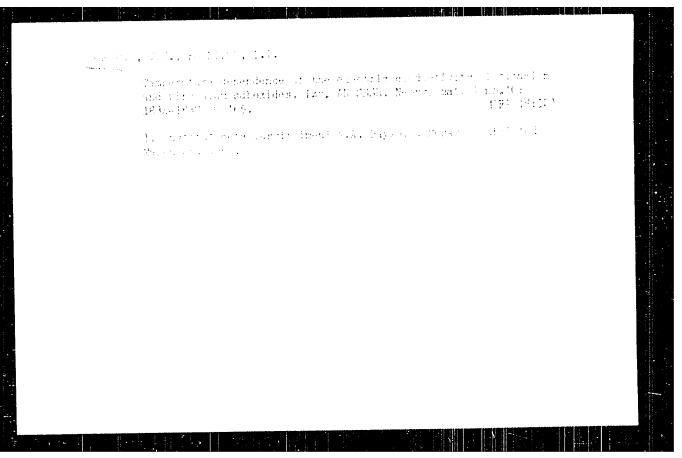
KORNILOV, I.I.; GLAZOVA, V.V.; Prinimala uchantiye: RENINA, IC.M.

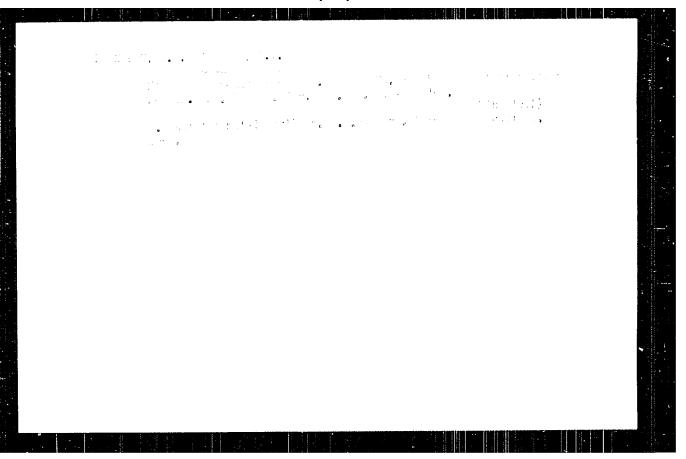
Nature of chemical bonds of titantum and zirconius subcather.

Iav.AN SSSR.Neorg.mat. 1 no.10:1772-2786 0 165.

(MIRA 18:)

1. Institut metallurgii imeni A.A.Baykova, Moakva, Submitted
July 5, 1965.





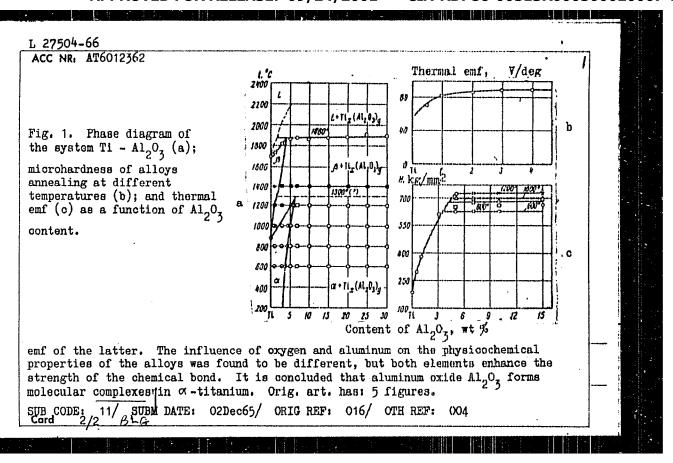
JD/JH. L 26033-66 EWI(m)/I/EWP(t) IJP(c)SOURCE CODE: UR/0020/65/164/003/0567/0570 ACC NR: AP5024215 AUTHOR: Glazova, V. V. ORG: Metallurgical Institute im. A. A. Baykov (Institut metallurgit) TITLE: Investigation of phase equilibrium in the ternary system kitanium-aluminum-oxygen 27 18 SOURCE: AN SSSR. Doklady, v. 1.64, no. 3, 1965, 567-570 TOPIC TAGS: ternary alloy, phase equilibrium, titanium alloy, aluminum, oxygen, aluminum oxide, aluminum alloy ABSTRACT: Phase equilibrium of the system Ti-AI-OI was investigated by introducing these elements in various forms such as pure aluminum, pure exygen, aluminum oxides and titanium alloys. The TI-AI-U2 system was studied in the Ti-Algorous section at a concentration range of ALgorous 0.5 to 30% by weight (16.8 mole%). The temperature of solidus of the system Ti-ALgorous at the beginning of melting of titanium increases from 1675°C to 1880° C when it is alloyed with 4% by weight of A1203. A further increase of A1203 does not lead to a temperature increase and it remains constant at 1880° C = 20°C. Adding 1-2% by weight of ϕ_2 to the Ti-Al alloy will cause ${\rm Ti_6AI}$ compound to disappear. Thus the effect Card 1/2

L 26033-66
ACC NR: AP5024215

of the third element (\$\theta_2\$) does not help the stabilization of this compound; on the contrary, it causes its disappearance from the system. Oxygen has the same effect on Ti_3AI at a temperature of 800°C when \$\theta_2\$ content is 3-4% by weight. This fact is important in explaining the characteristics of phase equilibrium in the system Ti-AI in various works. The paper was presented by Academician I. I. Chernyayev, 15 Mar 65. Orig. art. has: 3. fig.

SUB CODE: \frac{11}{11},077/SUBM DATE: 25Feb65/ ORIG REF: 007/ OTH REF: 004

L 2750 1-66 JD/WW/GS/RM/JH EWT(m)/EWP(j) ACC NR AT6012362 UR/0000/65/000/000/0003/0010 SOURCE CODE: AUTHORS: Kornilov, I. I. (Doctor of chemical sciences, Professor); Glazova, V. V. ORG: none TITLE: The physicochemical nature of alloys of the system Ti--L1--O 21 21 27 SOURCE: Soveshchaniye po metallokhimii, metallovedeniyu i primeneniyu titana i yego splavov, 6th. Novyye issledovaniya titanovykh splavov (New research on titanium alloys); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1965, 3-10 TOPIC TAGS: titanium, aluminum, oxygen, alloy phase diagram, metal physical property ABSTRACT: The phase relationships and some physical properties of the phases, e.g., microhardness, thermal emf, microstructure, electrical resistance and Hall constants, were determined for the quasi-binary system Ti - Al₂O₃ belonging to the ternary system Ti--Al--O. The investigation supplements earlier results of I. I. Kornilov and V. V. Glazova (Issledovaniye diagrammy sostoyaniya i nekotorykh svoystv splavov sistemy titan-kislorod - Sb Metallovedeniye titana Izd-vo Nauka, 1964). The experimental results are presented graphically (see Fig. 1). Alloying titanium with 5 at. % oxygen considerably increases the stability of titanium toward oxidation, which is associated with a change in the electrical conduction mechanism from hole to electronic conduction. The introduction of aluminum into the alloy considerably increases the thermal **Card** 1/2



L 34356-66 EMT(m)/EDP(t)/ETI . IJF(c) ACC NR: AP5027845 SOURCE CODE: UR/0020/65/165/001/0136/0139 // AUTHOR: Glazova, V. V.; Kornilov, I. I.; Modestova, V. N.; Tomashov, N. D. ORG: Institute of Metallurgy im. A. A. Baykov (Institut metallurgii); Institute of Physical Chemistry, AN SSSR (Institut fizicheskoy khimii AN SSSR) TITLE: Corrosion behavior in sulfuric acid solution of alloys of the titanium-oxygen system SOURCE: AN SSSR. Doklady, v. 165, no. 1, 1965, 136-139 TOPIC TAGS: titanium compound, titanium base alloy, corresion resistance, electrode potential, sulfuric acid ABSTRACT: Titanium has a large affinity to oxygen and the presence of a Ti compound with oxygen decelerates corrosion considerably. It was of interest, therefore, to study the behavior of Ti alloys with oxygen. The Ti-O alloys were prepared in an arc furnace with a noncombustible W electrode in an Ar atmosphere. The initial materials were: Ti iodide (99.9% Ti) and Ti oxide (99.93% TiO2). The oxygen was added in the form of an alloy containing 15.8% oxygen and prepared by molting in the arc furnace tablets compressed from Ti and TiO2. The Ti-O alloys, containing 1, 5, 9, 10, 11, 12, 13, 15, 16, 17, 20, 25, and 36 at foxygen, were thus prepared. The study of corrosion resistance and stationary electrode potential of the Ti-O alloys was made in 40% and 70% H₂SO₄, i.e. under conditions of the strongest possible corrosion of Ti. The curves Card 1/2 UDC: 620.197.3

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CIA-RDP86-00513R000500020007-7

L 34356-66 ACC NR: AP5027845

were plotted on the changes of the corrosion rate and the electrode potential as a function of the oxygen content in the alloy. All alloys in a 70% H2SOL solution had a higher corrosion resistance than Ti. Two minimums at 5 and 15 at 5 oxygen and 2 maximums at 9 - 13 and \sim 20 at% oxygen were observed on the corrosion rate curve. The corrosion rate steadily decreased in alloys containing > 20 at% oxygen. The alloys with minimal corrosion (5 and 15 at% oxygen) corresponded to the a -golid solution of oxygen in Ti and Ti60, respectively. In 40% H₂SO₄ solutions, the corrosion rate curve was lower than that in 70% H₂SO₄, but it had the same character and maximums and minimums with about the same concentrations of oxygen. The solid solution of Ti with 5 at x oxygen, the compounds Ti60 and Ti30 (alloy with 25at x oxygen), and the alloy with 36 at% oxygen were strongly resistant to corrosion both in 40% and 70% H2SO, solutions. The curves showing the dependence of the stationary potential on the content of oxygen in the Ti-O alloys were to a certain degree similar to the corrosion rate curves, although they were not exactly the same, because the stationary potential depended both on anodic and cathodic processes. The most interesting fact was that an addition of \le 5% oxygen increased the resistance of Ti to corresion by several times. The paper was presented by Academician A. A. Bochwar 26 Mar 1965. Orig. art. has: 4 fig.

SUB CODE: 13/ SUBM DATE: 16Mar65/ ORIG REF: 017/ OTH REF: 001

Card 2/2 J-R

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44

LJP(c)

ACC NRi AP6016335

(N)

SOURCE CODE: UR/0149/65/000/006/0114/0119

AUTHOR: Glazova, V. V.

Institute of Metallurgy im. A. A. Baykov (Institut metallurgii)

TITLE: Classification of alloying elements used in the formation of titanium alloys

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 6, 1965, 114-119

TOPIC TAGS: titanium alloy, alloy composition, CHEMICAL BONDING

ABSTRACT: A classification of alloying elements used in the preparation of $\, \, \alpha \, - \,$ titanium alloys is presented. The proposed system classifies the elements in terms of the strength of the chemical bond between the alloying atom and titanium. The classification is based on the expression of the mean square displacement U_{203}^2 of atoms from the equilibrium position in the crystal lattice derived by W. Koster (Z. Metallkunde, 39, No. 5, 145, 1948)

 $\overline{U}_{200}^{2} = \left\{4.3 \cdot 10^{-14} \left[\frac{D(0+T)}{0+T} + \frac{1}{4} \right] \right\} : \overline{A} \text{ 0};$

where 0 is a characteristic temperature

 $0 = \frac{1.6818 \cdot 10^3 E}{\frac{1}{10^3 E^3}},$

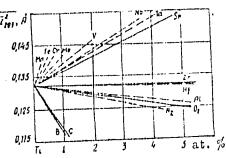
E is the modulus of elasticity, d is the density, and \overline{A} is the mean atomic weight of 669.295 1/2

L 37739-66

ACC NR: AP6016335

the alloy. The mean square displacements for a number of titanium alloys containing different elements were calculated, based on literature data for the various parameters. The results of the calculations are presented graphically (see Fig. 1).

Fig. 1. Dependence of the mean square displacement from the equilibrium position in the crystal lattice of solid solutions of different elements in α -titanium.



It is suggested that the proposed classification should facilitate the correct choice of alloying elements for the synthesis of α -titanium alloys having the desired physical properties. Orig. art. has: 2 graphs.

SUB CODE: 11/ SUBM DATE: 01Jul64/ ORIG REF: 022/ OTH REF: CO9

Card 2/2 vmb

ACC NR: AM6032821

Monograph

UR/

Glazova, Valeriya Vasil'yevna

Titanium alloying (Legirovaniye titana) [Moscow]. Izd-vo "Metallurgiya", 1966.
191 p. illus., biblio. Errata slip inserted. 2500 copies printed.

TOPIC TAGS: titanium, titanium alloy, titanium base alloy, titanium compound, titanium containing compound

PURPOSE AND COVERAGE: This book will be of interest to specialists in metallurgy and the science of metals who are concerned with the alloying of titanium and the study of alloys based on it, to technologists of enterprises of the metallurgical and aviation industries, and to workers in scientific-research institutes. The book can be of use to students taking advanced courses and to fellows of higher technical schools and nonferrous-metallurgy departments. The book discusses the mechanisms for the reaction of titanium with other elements of the periodic system and the general principles for the formation of continuous and limited solid solutions based on titanium, as well as the fundamental factors influencing the behavior of solid solutions under stress at elevated temperatures. Examples are presented for plotting structural diagrams based on refractory reactive metals, using the most modern methods of fusing and studying their physical and chemical properties. The problems of simple and complex alloying of titanium, the interrelationship of the structural diagrams (creep with a phase-conversion temperature in the solid state), and other problems relating to the

Card 1/2

UDC: 546.821:66.046,51

ACC NR: AM6032821

production of titanium alloys are examined on the examples of binary and tertiary systems. The author expresses gratitude to Professor N. N. Kurnakov (deceased), Professor I. I. Kornilov, and Candidate of Technical Sciences L. I. Pryakhina, T. F. Zhuchkova, and to Doctor of Technical Sciences, Professor I. I. Novikov for their assistance. There are 386 references, 227 of which are Soviet.

TABLE OF CONTENTS (Abridged)

Foreword -- 3

- Ch. I. Mechanisms for the combination of titanium with other elements of Mendeleyev's periodic system -- 10
- Ch. II. Basic factors affecting the behavior of solid solutions under stress at elevated temperatures -- 18
- Ch. III. Effect of secondary phases and the character of their distribution based on the heat-resistance of alloys -- 45
- Ch. IV. Phase equilibria, strength characteristics of a chemical bond, and the heat-resistance of alloys of binary systems with titanium -- 55
- Ch. V. Complex alloying of titanium based on several three-component systems -- 151

SUB CODE: 11/

SUEM DATE: 2LJan66/

ORIG REF: 214/

OTH REF: 172/

Card 2/2

EWI(m)/I/ExI(e)/BH(t)/ETI IJP(c) AT /MHy way and/or ACC NR: AP6024395 SOURCE CODE: UR/0020/66/169/002/0343/0346 AUTHOR: Kornilov, I. I.; Glazova, V. V.; Kenina, Yo. M. ORG: Institute of Metallurgy im. A. A. Baykov (Institut metallurgii) TITIE: Formation of the compounds Zr60 and Zr30 in the mirconium-oxygen system SOURCE: AN SSSR. Doklady, v. 169, no. 2, 1966, 343-346 TOPIC TAGS: zirconium willow, alloy phaso diagram annealime ARSTRACT: Zirconium-oxygen alloys containing from 1 to 28 at. % oxygen were studied by physicochemical analysis, microscopic analysis, and measurements of microhardness, electrical resistance and thermal emf. Alloys quenched after annealing for 400 hr at 600 °C and containing up to 8% 02 correspond to homogeneous a solid solutions. 8% 02, glide lines typical of decomposition of solid solutions appear. Alloys containing 15-16% 02 consist of a single phase, and those with 25-26% 02 show a finegrained single-phase structure characteristic of a compound. Alloys with 28% 02 have a two-phase structure. Resistivity-composition curves for alloys quenched from 600 and 800° show two singular resistivity maxima at 14.5 and 25% 02, corresponding to the stoichiometric composition of the compounds Zr60 and Zr30 respectively. A study of the temperature dependence of the electrical conductivity of these compounds (which increases with temperature) confirmed their semiconducting nature. The bonding in Zr60 is primarily covalent (with a certain fraction of ionic character). The paper Card 1/2UDC: 546.8

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GLAZOVA, Ye. F.

"Measur ment of Evaporability by an Evaporator dith Constant Moisture". Trudy G1. geofiz. observ., No 43, pp 58-2, 1954.

The instrument consists of two communication vessels: the first is filled in the upper with sand held by a metal grid submerged 0.5 cm in water filling the lower part of the vessel, which encures constant moisture of the entire layer of sand; in the second vessel, joined with the first by a hose, a float connects with the indicator of the automatic recorder that records evaporation according to the position of the level of water. Observations on fallow fields in a steppe and in interzonal squares (Kamennaya Stepi, 1951) show that in drought regions evaporability exceeds by any times the evaporation. Evaporation from soil in the squares is greater than in the steppe, but evaporability is less. Fall of precipitation sharply decreases the ratio of evaporability to evaporation. (RZhGeol, No 8, 1955)

50: Sum To 884, 9 Apr 1956

USSE/Geophysics - Turbulence

F")-1751

Card 1/1

Pub 45-13/18

Author

: Glazova, Ye. F., and Laykhtman, D. L.

Title

: Elementary theory of the wet evaporator for the study of turbulence

Periodical: Izv. AN SSSR, Ser. geofiz. 278-281, May-Jun 1955

Abstract

: The development of a simple and dependable rethod for determining the coefficient of turbulence is still an important task of netecrology. The determination of this coefficient on the basis of measurements of the pulsations of meteorological elements requires very complex apparatus and considerable expenditure of time for operation. In the present work the authors propose a method for determining the coefficient of turbulence on the basis of measurements of evaporation from a wet evaporation, proposed in 1951 by Ye. F. Glazova ("Measurement of evaporability by an evaporator with constant moisture," Trudy GGO, No 43 (105), 1954).

Institution: Main Geophysical Observatory im. A. I. Voyeykov

Submitted: May 20, 1954

AUTHOR:

Glazova, Ye. F.

50 16 4 18/26

TITLE:

Reasons for the Origin of Defects in Mercury Thermometers and the Possibilities of Their Behavel's Printing vozeth novembya neiopravnostey rtutnykh termometros a vozmathnostikh ustraneniya)

PERIODICAL:

Meteorologiya i Gidrologiya, 1958 Mr. 1. pp. 45-46 (USSR)

ABSTRACT:

Every year the local UGMS must wrate off a tage number of defective thermometers. Often the defect cannot be found immediately so that observations semetimes are male with unaccurate thermometers. The Geophysical Main Observatory (GGO = Glavnaya geoficicleskaya observatoriyi) coulf find out that the main reason for the failure of thermometers are breaking of scale-strips interruption of the mercary column, and contamination of the capillary takes. After the production technology of the thermometers was examined, the following recommendations were published: 11 To avoid the breaking of the scale-strips a careful transport and for sparing treatment during the operation such as easired. 21 The question of the replacement of class strips by synthetic ones will be involutifated. 3) As the mercury containers.

Card 1/2

Reasons for the Origin of Defects in Mannung Tearmineter and 36-58-4-48/26 the Possibilities of Their Removal

which towards the top and conscally tapered (fig. 15, 5). do not allow a formation of gas subbias to his shape to recommended for the production (ref. 1) In repease with low air temperatures (helps 40-3) only so hithermometers may be used, which are provided for such purposes 5) An instruction to remove the interruption of the neroury column is given: The mercury container is dumped into liquid carbon dioxide and afterwards the thermometer is warmed up to room temperature in a vertical position. 6) The contamination of the samillary tabe, which is caused by the impurity of the mercury, can be removed only by the making factory. Also interpuptions of the merchay solumn, which cannot be removed according to the instruction in 5) often are due to impurities of the mercury and to an intrusion of air into the capillary take. ?) Instructions for the treatment and storage of thermometers and for the removal of defects shall be set up which are to be enjoyed upon the collaborators. There are ! figure and ! reference is Soviet.

AVAILABLE: Card 2/2 Library of Congress

- 1. Thermometers Failure 2. Mercury Applications
- 3. Thermometers Handling

CIA-RDP86-00513R000500020007-7 "APPROVED FOR RELEASE: 09/24/2001

3/123/61/000/024/013/016 ACO4/A101

AUTHOR:

Glazova, Ye. F.

TITLE:

Measuring the atmospheric moisture with resistance thermometers

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 24, 1961, 26, abstract

24E157 ("Tr. Gl. geofiz, observ.", 1960, no. 103, 90 - 92)

The author presents the results of testing resistance thermometers TEXT: for electric psychrometers and draws the conclusion that the following conditions have to be observed to avoid overrated readings of the wetted resistance thermometer: 1) The thermometers should be provided with a protective vinylplastic cover not exceeding 5 mm in diameter and with a wall thickness of not more than 0.15 mm. 2) The length of the thermometer placed in the protective cover should not exceed half of the latter's length. 3) It is not expedient to put a layer of thermal insulation between the thermometer wire and the walls of the protective cover. 4) The thermometer is wound by a loop without frame. There are 3 references.

P. G. M.

[Abstracter's note: Complete translation]

Card 1/1

DASHKEVICH, L.L.; SURAZHSKIY, D.Ya.; UCCL'TTEV, V.A.; AZBEL', H.Ye.;

EOZHEVIKOV, S.N.; VORZHEDEVSKIY, H.S.; HARYLOV, H.H.;

GLAZOVA, Ye.F.; KAMPUSHA, V.Ye.; H.OTOFOFOV, N.G.; SHADHIMA,

Ye.N.; ICRUNOV, V.D.; NECHAVEV, I.N.; BESFALOV, D.P.;

ILLARIONOV, V.I.; GLEBOV, F.A.; GLAZOVA, Ye.F.; RAULIN, N.Ya.;

GORYSHIN, V.I.; GAVRILOV, V.A.; HIMOFEYEV, M.F., retsenzent;

YEFRENYCHEV, V.I., retsenzent; KRASOVSKIY, V.B., retsenzent;

V'YUNNIK, A.P., retsenzent; STE.GIZAT, M.S., otv. red.;

RUSIN, N.P., otv. red.; YASNOGORODSKAYA, M.M., red.; VOLKOV,

N.V., tekhn. red.

[Instructions to hydrometeorological stations and posts] Eastavlenie gidrometeorologicheskim stantsiiam i postam. Leningrad, Gidrometeoroizdat. No.3. Pt.3. [Keteorological instruments and observation methods used on a hydrometeorological network] Meteorologicheskie pricory i metody nabliudenii, primeniaemye na gidrometeorologicheskoi neti. 1962. 295 p. (EIRA 15:5)

(Continued on next card)

DASHKEVICH, L.L.—— (continued) Card 2.

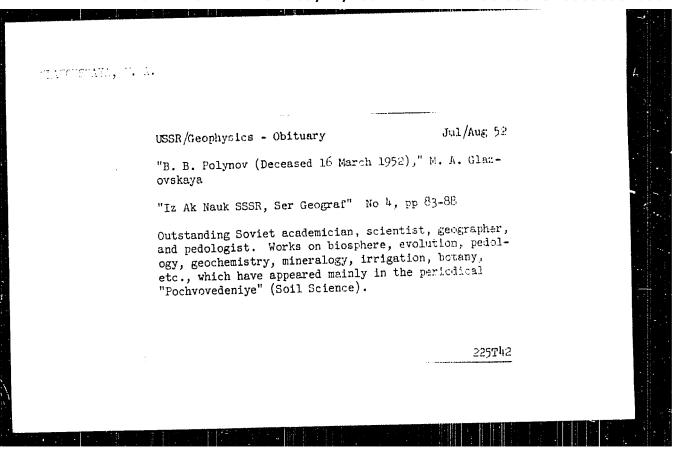
1. Russia (1923— U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhoy. 2. Glavnaya geofizicheskaya observatoriya Nauchno-issledovatel'skogo instituta gidrometeorologicheskikh priborov i Gosudarstvennogo gidrologicheskogo instituta (for Dashkevich, Surazhskiy, Wsol'tsev, Azbel', Bozhevikov, Vorzhenevskiy, Mamuylov, Glazova, Karpusha, Frotopogov, Shadrina, Igrunov, Nechayer, Bespalov, Illarionov, Glebov, Glazova, Kaulin, Gorysnin, Gavrilov). 3. Kosicsiya Glavnogo upravleniya gidroroteorologicheskoy sluzhby pri Bovete Ministrov SSEE (for Ecchayev, Usol'tsev, Timofeyev, Vefremychev, Krasovskiy, V'yumnik)

(Yeteorology)

USFENSKIY, a.L., doktor fiz -mat. nauk, prof.; BELCUSOV, S.L.; Mend. fiz.-mat. nauk; PYATYGINA, K.V.; YUDIN, M.I.; MERTSALOV, A.N., kand. fiz.-mat. nauk; DAYYDOVA, G.A.; KUFFANSKAYA; A.F.; PETRICHENKO, I.A.; NORSKOY, G.I.; TONASCEVICH, L.V.; SAMOYLOV, A.I.; ORLOVA, Ye.I.; DEHORLEHIC, V.A.; PETRETIKO, M.V.: DUBOVYY, A.S.; ROMOV, A.I.; FETROSMANTS, M.A.; GLAZOVAYA, G.P.; BATYAYEVA, T.F.; BEL'SKAYA, N.N.; CHICTYAKOV, A.D.; GANDIN, L.S.; BURTSEV, A.I.; MERTSALOV, A.M.; LACHOVYY, M.A.; BELOV, F.M.; ZVEREV, A.S., retsenzent; SIDENKO, G.V., red.; red.; DUBENTOV, V.M., kand. 112.-mat. nauk, nauchn. red.; SAGATOVSKIY, M.V., red.; BUGAYEV, V.A., doktor geogranauk, prof., red.; ROGOVSKAYA, Ye.G., red.

[Manual on short-range weather forecasts] Rukovodstvo pokračkosrochnym prognazam pogody. Leningrad, Gidrometeoizdat. Pt.l. Izd.2., perer. i dop. 1961. 519 p. (MIFA 18:1)

1. Moscow. TSentral'nyy institut prosm zev.



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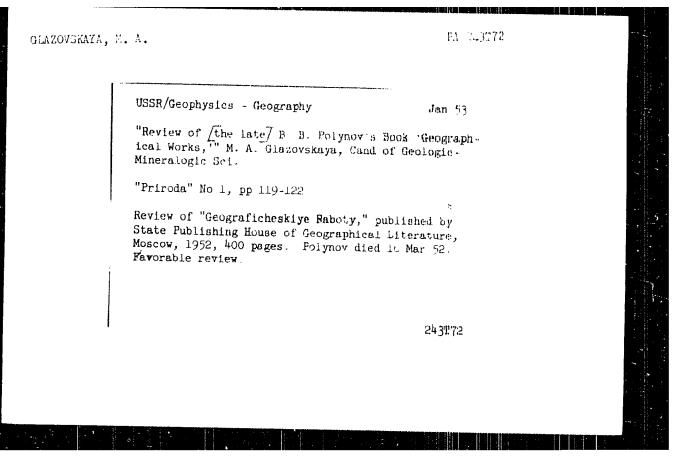
- 2. USSR (600)
- 4. Microorganisms
- 7. Biological factors of wind ercsion in high mountains. Princes 91 no. 12, 1952.

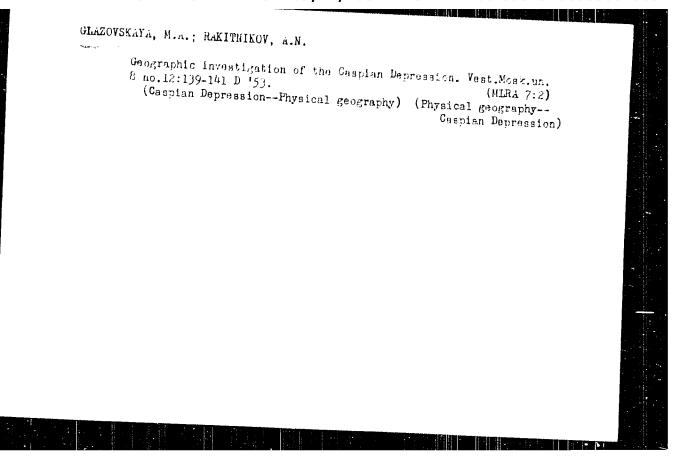
9. Monthly List of Russian Accessions, Library of Congress, March 1963, Unclassified.

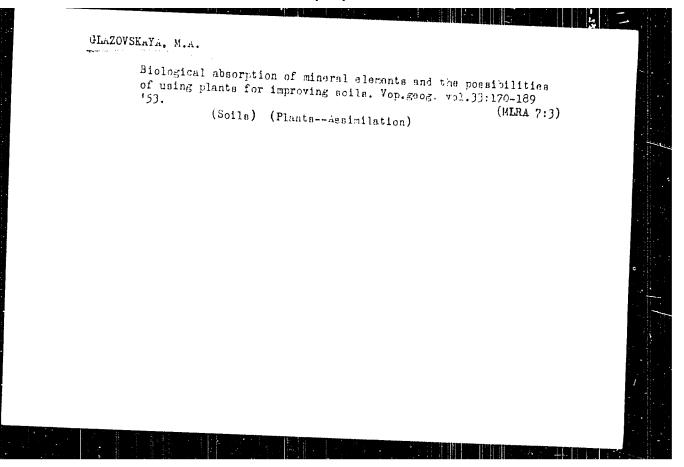
1. GLIZOVJKAYA,	11	Å.
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- 2. USBR (600)
- 4. Geography & Geology
- 7. Soil-geographic outline of Australia. Moskva, Geografgiz, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.







GLAZOVSKAUA, M.A. USSR/ Minera's - Volcanic

Card 1/1

Pub. 86 - 15/36

Authors

* Glazovskaya, M. A., Dr. of Geogr. Sc. Andrews and the same of the sa

Title

• Volcanic ash deposits in the Tan' -Shan glaciers

Periodical : Priroda 2, 90-92, Feb 1954

Abstract

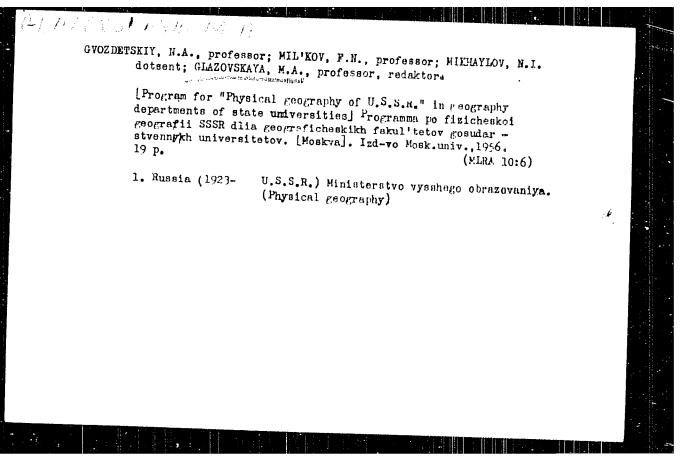
* The discovery of ash deposits in the Tan' -Shan @laciers of the Altau country is announced. The chemical, mechanical and mineralogical compositions and the origin of the ashes are discussed.

Institution : Acad. of Sc., USSR, Institute of Geography

Submitted :

GLAZOVSKAYA, M.A.; MOOR, N.G.

Brown mountain-steppe soils of the Issyk-Kul plain in grassland crop rotation. Trudy Inst.geog. no.60:139-156 '54. (MERA 8:5) (Issyk-Kul region--Soils) (Soils--Issyk-Kul region)



15-57-5-5944

Translation from: Referativnyy zournal, Geologiya, 1957, Ar 5,

n 38 (938R)

AUTHOR:

Glazovskaya, M. A.

TITLE:

Burled Soils, Methods of Studying Them, and Their Paleogeographic Significance (Pogrebennyye pochyy, metody ikh izucheniya i ikh paleogeograficheskoye

znacheniye)

PERIODICAL: V sb: Vopr. geografit. Moscow-Leningrad, AN SSSR,

1956, pp 59-68.

APSTRACT:

The author raises the question of the application of the entire complex of modern methods in soil investigation during study of buried soils. He presents data on the studies of buried soils in the valley along the middle course of the Oka and on the shores of the Sea of Azov. These studies emphasize the necessity of turning to the paleopedological method of using all the techniques of present-day soil science.

Card 1/1

Yu. A. L.

USSR / Soil Science. Physical and Chemical Proporties of Soil. Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48634 Author : Glazovskaya, M. A. Inst : Not given Title : Metal Content in Soils of Various Types Orig Pub : V sb.: Materialy soveshchaniya gool. Vost. Sibiri i Dalin. Vostoka po metodike geol.s'yemochn. i poisk. rabot. Chita, 1956, 59-64 : The higher plants biologically absorb a number Abstract of metals and are dependent on their storage in the upper horizons of the soil. The Mn store in the ash of the Tien Shan spruce needles requires the storage of this element in the upper horizons of brown forest soils of the spruce woods of central Tien Shan Range. Peat moss Card 1/2

USSR / Soil Science. Physical and Chemical Properties J of Soil.

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 38634

low in needle content is poor in Cu. The greatest metal content in the soil profile is observed at the surface and in the illuvial horizon. Fe, Cr. Co, Ni and Zn are stored in illuvial horizons, in podzolic soils, in solonetz soils, in soloth soils and at times in gray forest soils. The uneven storage of metals in genetic horizons makes it necessary to use a metallometer for taking soil samples and does not depend on depth, or mechanical state, but on the genetic horizon. -- F. I. Shcherbak

Card 2/2

25

ClazoV+ Nuya, M.H.

USSR/Cosmochemistry. Geochemistry. Hydrochemistry.

: Ref Zhur - Khimiya, No. 3, 1957, 26570. Abs Jour

Author

Inst

: Glazovskaya, M.A.
: Academy of Sciences of USSR
: Part of Vegetable Ashes in Formation of Title Shallow Earth Products of Weathering and

Soils.

Orig Pub : In symposium Kora vyvetrivan'ya. Vyp. 2,

M., AN SSSR, 1956, 61 - 76.

: It was established that a levelling of the Abstract

chemical composition of rocks and an accumulation of microelements in secondary products took place on the Northern slope of the Reskey-Alatau ridge in the course of the process of soil formation. SiO₂ and K₂O are carried off and MgO, Fe₂O₃, P₂O₅, CaO and SO₃ are accumulated at the weathering of granite; SiO₂ and

Card 1/4

USSR/Cosmochemistry. Geochemistry. Hydrochemistry. D Abs Jour : Ref Zhur - Khimiya, No. 8, 1987, 26970.

Al₂0₃ are carried off and Fe₂0₃, P₂0₅, S0₅, CaO and MgO are accumulated at the weathering of gneissic granite; CaO and a part of Al₂0₃ and MnO are carried off and P₂0₅ and a part of MgO and S0₃ are accumulated at the weathering of diorite; CaO, MgO and MnO are carried off and P₂0₅, SiO₂ and K₂O are accumulated at the weathering of limestone. Ashes of two species of lichens collected on granite and limestone show an essential difference between their chemical compositions indicating the selective capacity of organisms to absorb certain elements. The primary mountain meadow soils on gneissic granite accumulate P, S, Fe, Ca and Mg, and the plants vegetating on these soils chiefly accumulate Ca and Mg to the prejudice of Mn, Al and Si. The cross-section of soil on granite, as

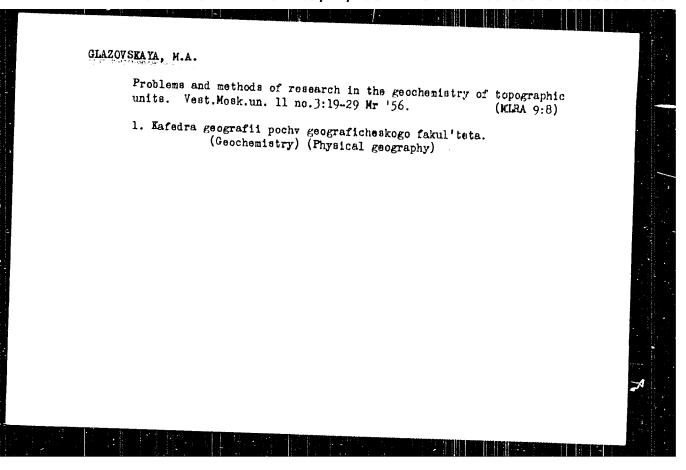
Card 2/4

USSR/Cosmochemistry. Geochemistry. Hydrochemistry. D

Abs Jour : Ref Zhur - Khimiya, No. 8, 1957, 26570.

and returns into the biological cycle, and the other part is washed out and brought into lower levels, where it is partly absorbed by fir roots and partly carried completely off from the shallow soil.

Card 4/4



7-1

Slacovskaya, Min

USSR/Soil Science, General Problems

Abs Jour: Ref Zh-Biol., No 6, 25 March, 1997, 22416

Author : Glazovskaya, M.A.

Title : The Formation of Fine Soil Accumulations on Slopes and Alluvial

Fans in Wooded Mountain Zones of Terskel-Ala-Tau Reservoir.

Orig Pub: Tr. In-ta geogr. AN SSSR, 1956, 76, 37-53

Abstract: Alluvial fans with highly variegated stages of growth can be seen in the zone of fire forests of Terskei-Ala-Tau. The alluvial fans are formed by fragments of different mass. The average size of separate fragments composing the upper portion of the alluvial fan is 7.000 times as small as the average size of the lower portion. The strips of growth on alluvial fans are usually located at the alluvial fan edge, because new loose matter from time to time falls into the central portion. With the settling of higher growth comes a considerable accumulation of fine soil. The trunks of fallen firs furnish an especially large amount of

Card : 1/3

-1-

USSR/Soil Science. General Problems.

I-1

Abs Jour: Ref Zh-Biol., No 6, 25 March. 1957, 22414

organic and mineral deposits. As they fall on portions which are bare of growth, they furnish reserves of mineral and organic nutrients necessary for vegetative existence, which brings about an enlargement of areas occupied by vegetation. These settling cones present a formation of longitudinal low sloping mounds and hollows dividing them with a relative difference in height of 1.5-20 m. Over the entire length of the alluvial fam, they are represented by assorted gravel-sandy alluvial formations mixed with large broken fragments. Considerable sections totally lacking growth may be encountered here. The older surfaces of composition of eroding flood water deposits is given. The author suggests that the loaming of the crude fragmentary deposits occurs in two developmental stages. In the first stage, the thinly dispersed matter which forms during decomposition of vegetating

Card : 2/3

-2-

USSR/Soll Science. General Problems.

Abs Jour: Ref Zh.-Biol., No 6, 29 March, 1967, 29616

fragments penetrates into crevices between larger particles and fragments and fills them in. In the second stage, after silting layer void of gravel and crushed stone forms on its curface. In the formation of which a significant role is played by the ash in 4 tables.

Card + 3/3

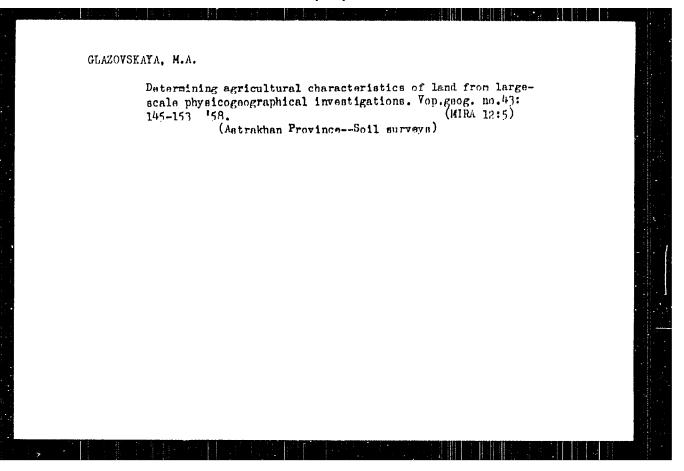
GLAZOVSKAYA, M.A.

Wenthering and initial soil formation in the Antarctic. Nauch.dokl.
vys.shkoly; geol.-geog.nauki no.1:63-76 '58. (MIRA 12:2)

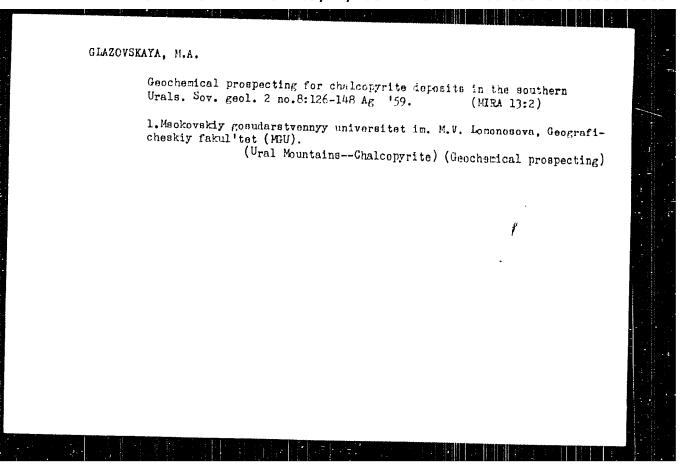
1. Moskovskiy universitet, Geograficheskiy fakul'tet, kafedra geografii pochv.

(Antarctic regions--Soil formation)

(Wenthering)



GVOZDETSKIY, M.A., prof., red.; GLAZOVSKAYA, M.A., prof., red.; ASTROV,
A.V., red.; TERMAKOV, M.S., TERMAKOV,



GLAZOVSKAYA, M.A., doktor geograf. nauk.

Geography of Central Asia ("Central Asia; its physical geography."
Reviewed by M.A. Glazovskaia). Vest. AN SSSR 29 no.6:137-139 Je '59.

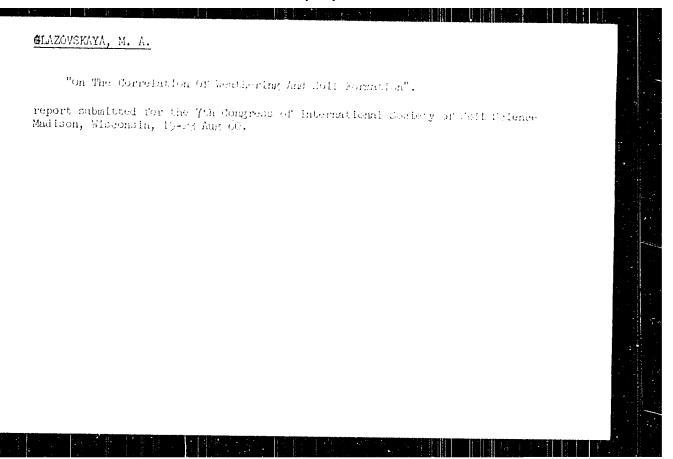
(MIRA 12:5)

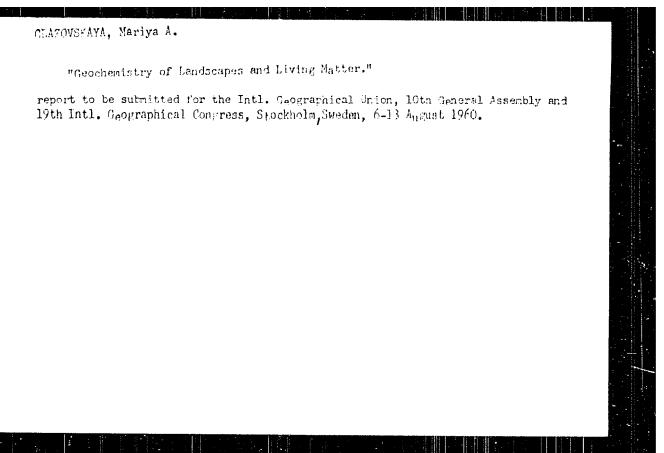
(Soviet Central Asia--Physical geography)

GERASIMOV, I.P., GLAZOVSKAYA, M.A., ZARANKIN, V.M., red., HELICHENKO, R.K., mladshiy red., MAL'CHEVSKIY, G.N., red.kart; GLEYER, D.A., tekhn.red.; KOSHELEVA, S.M., tekhn.red.

[Principles of soil science and soil geography] Gsnovy pochvovedenita i geografia pochv. Moskva, Gos.izd.vo geogralit-ry, 1960. 490 p. maps.

(Soil science) (Soils---Maps)



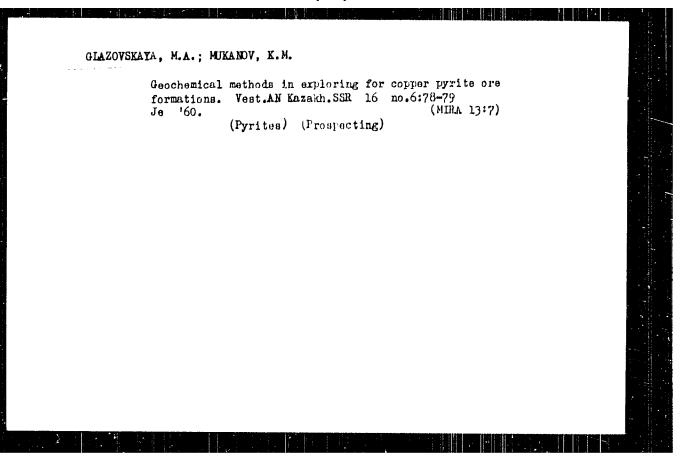


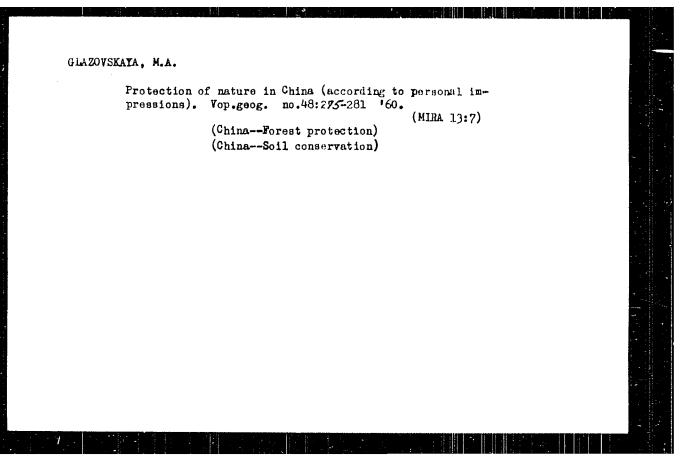
2 18 C - 1. 1 3 C - 1

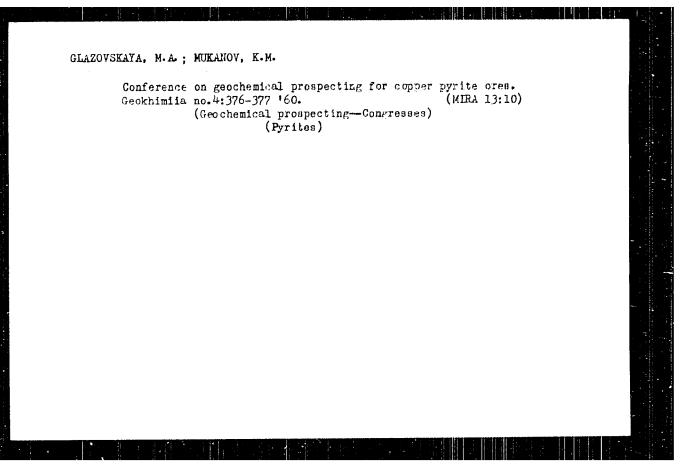
BASHENINA, Nina Viktorovna; LEONT YEV, Oleg Konstantinovich;
PIOTROVSKIY, Mikhail Vladimirovich; CIMOHOV, Yuri;
Gavrilovich; VYSKREBENTSEVA, V.S.; ZALUTSKAYA, I.P.;
Prinimali uchastiye ZORIN, L.V.; ORLOV, I.V.; ZVONKOVA,
T.V.; FFDOLOVICH, B.A.; SHATALOV, Ye.T., retsenzent;
GLAZOVSKAYA, M.A., retsenzent; ARISTARKHOVA, L.B., retsenzent; YERMAKOV, M.S., tekhn. red.

[Methodological guide to geomorphological rapping and the carrying out of geomorphological surveys at scales of 1:50 000 - 1:25 000 (with legend) [Metodicheskoe ruko-vodstvo po geomorfologicheskomu kartirovaniiu i proizvodstvu geomorfologicheskoi s"emki v masshtabe 1:50 000 - 1:25 000 (s legendoi). Pod red.N.V.Basheninoi. Moskva, Izd-vo Mosk.univ., 1962. 202 p. [Legend; supplements VIII-[XI]] Legenda geomorfologicheskoi karty Sovetskogo Soiuza masshtaba 1:50 000 - 1:25 000; prilozhenie VIII-[XI] 1960. 25 p. (MIRA 15:7)

(Geomorphology---Maps)







GLAZOVSKAYA, Mariya Al'fredovna, prof.; MAKUNINA, Aleksandra Aleksandrovna, kand. geogr. nauk; PAVLENKO, Irina Aleksayevna, kand. geogr. nauk; EOZHKO, Margarita Georgiyevna, starshiy laborant; GAVRILOVA, Irina Pavlovna, nauchnyy sotr., laborant; GRUNVAL'D, V.F., retsenzent; ZASUKHIN, G.N., retsenzent; PENEL'MAN, A.I., red.; FADEYEVA, I.I., red.; YERMAKOV, M.S., tekhn. red.

[Geochemistry of land forms and prospecting for minerals in the Southern Urals] Geokhimiia landshaftov i poiski poleznykh iskopaemykh na IUzhom Urale. Fod red.A.I.Ferelimana. Moskva, Izdvo Mosk.univ., 1961. 180 p. (MIRA 15:2)

1. Nachalinik Yuzhno-Uraliskoy landshaftno-geokhimicheskoy ekspeditsii geograficheskogo fakuliteta Moskovskogo gosudarstvennogo universiteta (for Glazovskaya). 2. Yuzhno-Uraliskoye geologicheskoye upravleniye Ministerstva geologii i okhrany nedr SSSR (for Grunvalid, Zasukhin). (Uralicumtains-Geochemichal prospecting)

GLAZOVSKAYA, M.A., prof., red.; RAKITHIKOV, A.E., dots., red.;
KAYLIN, F.A., red.; BELYAKCVA, Ye.V., red. 12d-va;
LAZAHEVA, L.V., tekhn. red.

[Nature and agriculture in the Volge-Akhtuba Flood Plain and Volge Delta] Prirode i sel'skee khozinistvo Volgo-Akhtubinskoi dollny i del'ty 'elgi; trudy. Moskvu, Ind-vo Mosk. univ., 1962. 448 p. (MIRA 15:4)

1. Prikaspiyskaya ekspeditriya.

(Volge-Akhtuba Flood Plain--Agriculture)

(Volge Delta--Agriculture)

GLAZOVSKAYA, M. A.

"Ancient Syr Darya Delta and the northern Kyzyl Kum," Vols, 1
and 2 by V. M. Borovskii and others. Reviewed by M. A. Glamovskaia.

Vop. geog. no.59:180-183 '62. (MIRA 16:1)

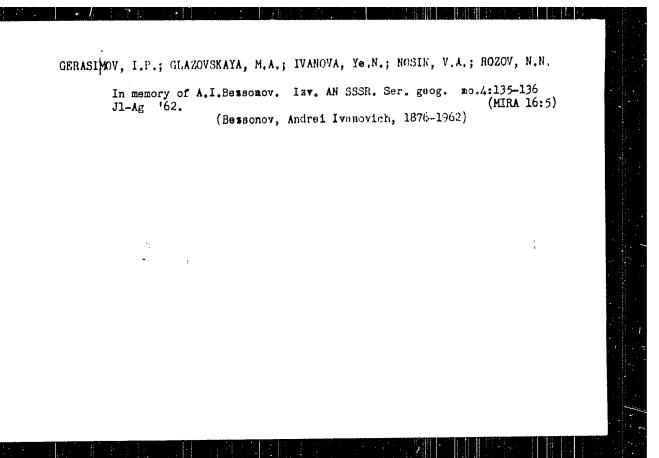
(Syr Darya Delta) (Kyzyl Kum)

(Borovskii, V. M.)

GLAZOVSKAYA, M. A.

"Formation of the chemical composition of surface waters in the steppe and forest-steppe zone in the European territory of the U.S.S.R." by P. V. Voronkov. Reviewed by M. A. Glazovskaia. Vop. geog. no.59:184-185 '62. (MIRA 16:1)

(Water-Analysis) (Voronkov, P. V.)



GLAZOVSKAYA, M.A.

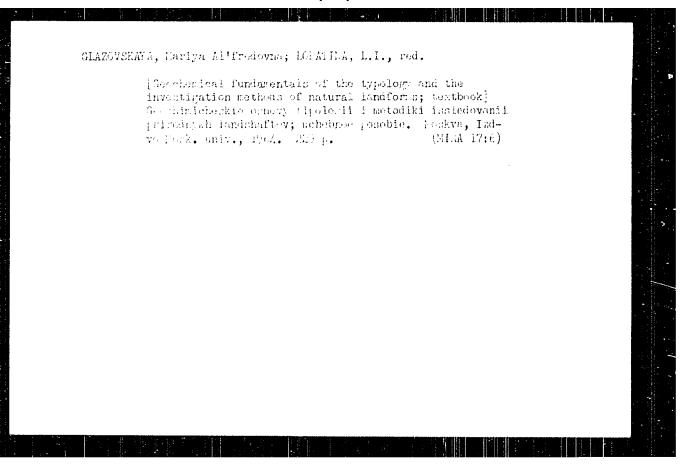
Principles of lundform and geochemical regionalization for the purpose of searching for mineral resources. Vest. Mosk. un. Ser. 5: Geog. 17 no.6:3-10 N-D '62. (HIRA 16:1)

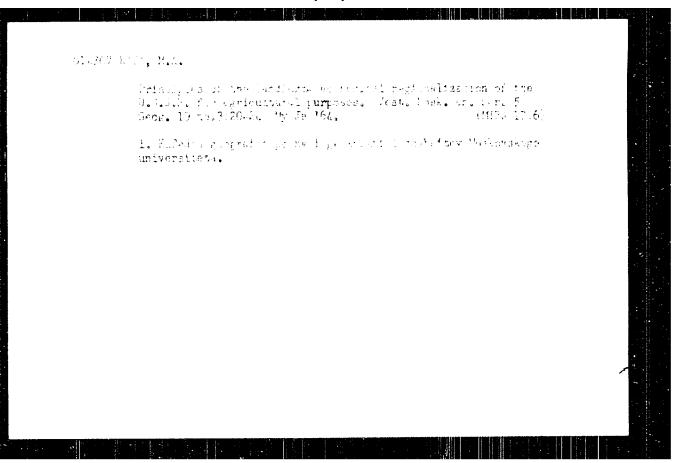
1. Kafedra geografii pochv i geokhimii landsbaftev Moskevskogo universiteta. (Ural Mountain region--Landforms) (Ural Mountain region--Geochemistry)

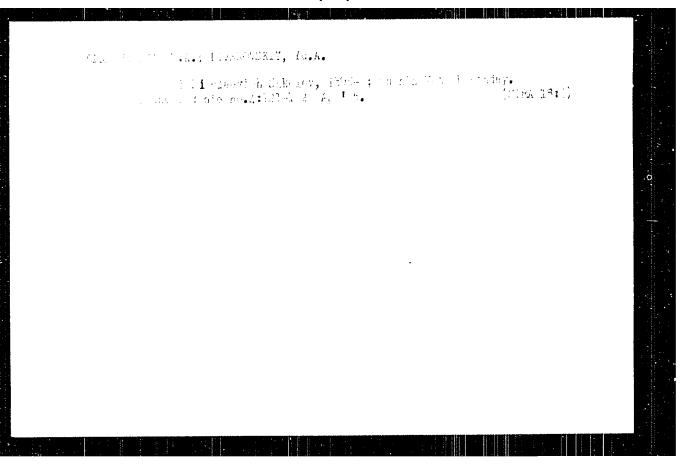
GLAZOVSKAYA, M.A., prof., red.; LOFATINA, L.I., red.

[Geographical soil and geochemical landscape research for agricultural purposes and in prospecting for mineral resources] Pochvenno-geograficheskie landshaftno-geokhimicheskie issledovanila dlia tselei sallskogo khoziaistva i poiskov poleznykh iskopaemykh. Moskva, IZd-vo Mosk. univ., 1964. 233 p.

(MIRA 17:12)

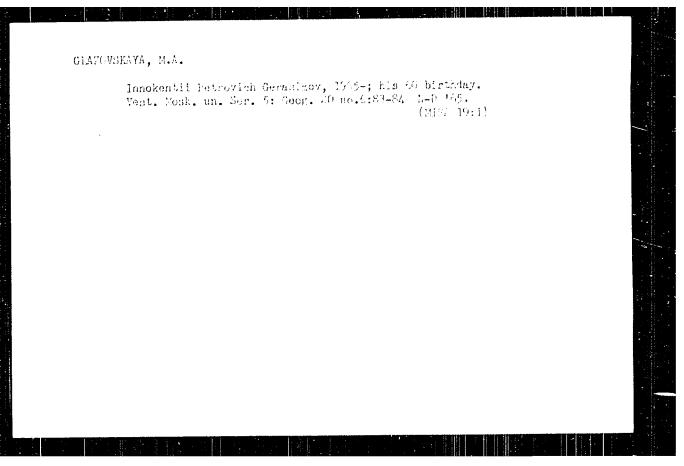


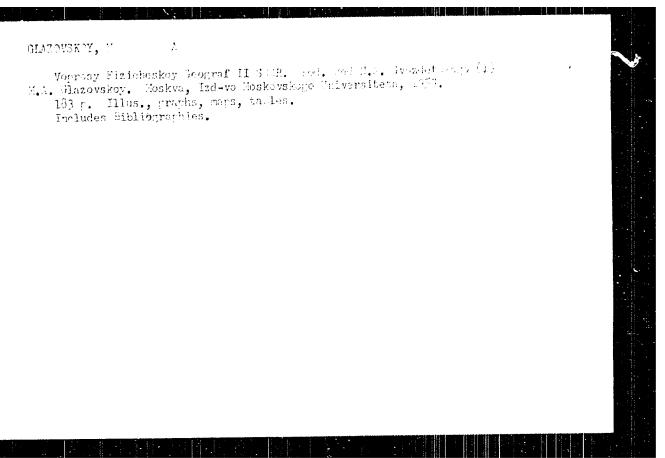


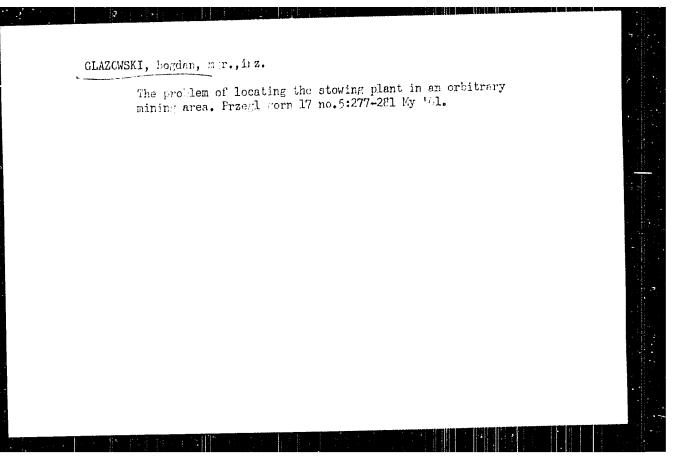


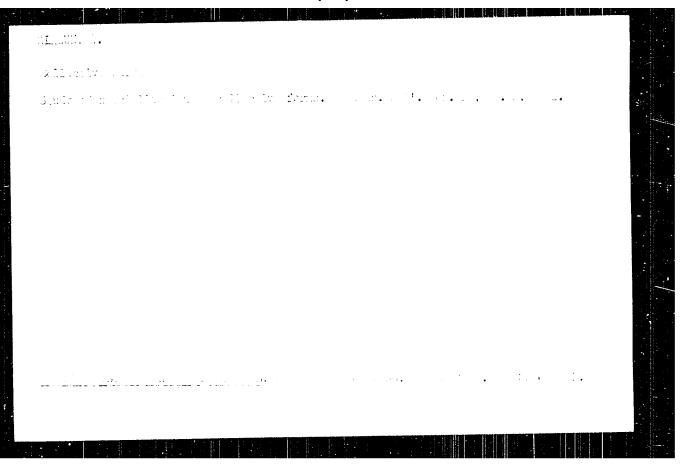
SUKACHEV, V.H.; BOGDANOV, A.A.; IVANOVA, T.K.; LAZUGO, G.I.; NICOLAYZV, V.I.;
YACUCHOVA, A.F.; GELLER, G.Yo.; GERETSKIY, G.I.; ENCHEKIN, I.S.;
BCECLOV, N.W.; LICHKOV, P.I.; GERETSKIY, G.I.; SECHEKIN, I.S.;
BYEGO, V.D.; SAUSHKIN, YG. I.; GLAYOVEKAYA, M.A.; GYOZDETEKIY, W.A.;
TUSHTNOKIY, G.K.

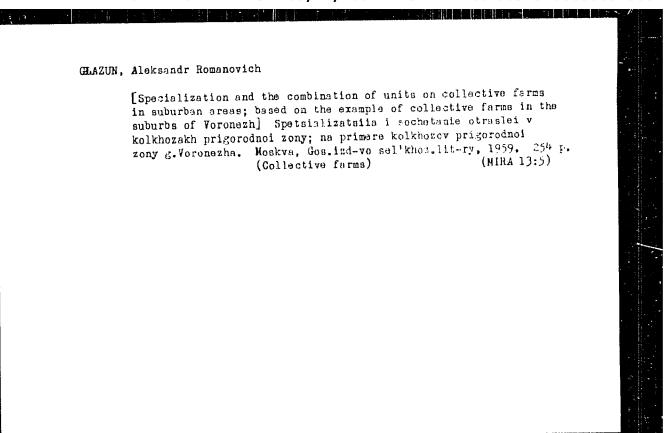
Konstantin Konstantinevich Marker's role in the greation and levelopment of the paleogreenty of the unthroped in (the funtioner) works on his (7th lighthday and the 40th anniversary of aristolite work. It is Vers. gasg. of-va 97 no.4:377-379 Ji-Ag 165. (MIFA 18:8)

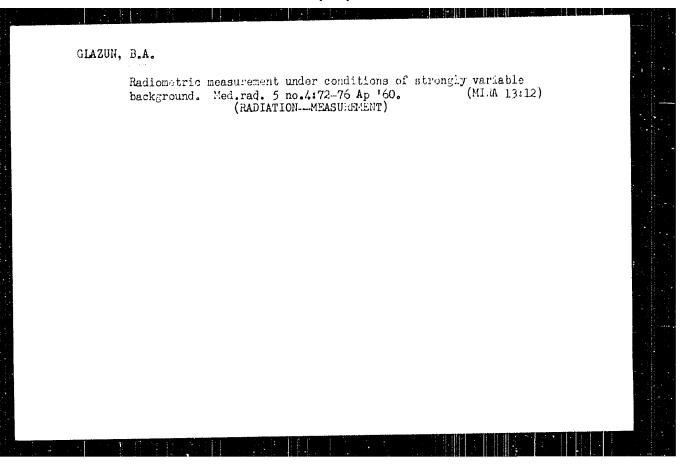












SOURCE CODE: UR/0062/66/000/007/1129/1135 ACC NRI AP7006025 AUTHOR: Fedorov, V. M.; Glazun, B. A.; Dubinin, M. M.; Zhilenkov, I. V. ORG: Voronozh Agricultural Instituto (Voronozhskiy sel'skokhozyaystvennyy institut); Institute of Physical Chomistry, AN SSSR (Institut fizichoskoy khimii AN SSSR) TITLE: Investigation of the dielectric properties of water adsorbed by zeolites. Communication 3. Dielectric losses in the system NaA zeolite crystal --- water at average degrees of filling SOURCE: AN SSSR. Izvostiya. Soriya khimichookaya, no. 7, 1965, 1129-1135 TOPIC TAGS: zeolite, adsorption, dielectric property, dielectric permeability ABSTRACT: New results of an investigation of WaA zeolite with a water content of 40% of the maximum adsorbable amount are discussed. Construction of the dielectric isotherm (dependence of the static dielectric permeability on the value of the adsorption at constant temperature) and a study of the variation of the parameter 1 - alpha, characterizing the distribution of energies of the active centers, permitted conclusions on the finor subdivision of the active centers determining the relaxation of adsorbed water molecules. Dielectric losses at low frequencies were found to occur in the temperature region from 40 to +20 in NaA zeolite containing water. The dielectric adsorption isotherm had a break at a water content in the meolite UDC: 541.183 + 546.67 + 621.317.33 Card 1/209270809

ACC NR: AP7006025

corresponding to approximately five to seven molecules per unit cell, evidently due to the structuration of water with increasing adsoxption and to the different sorbability on sodium ions bonded to eight-membered and six-membered oxygen rings. A distribution of relaxation times was observed in the region of losses considered, probably due to the energetic heterogeneity of the active centers. The region of distribution became narrower with increasing water content, which indicates development of the structure. The activation energy and entropy of activation for polarization in an electric field increased with increasing water content of over 5%. Measurements of the free energy of formation, together with the break on the dielectric adsorption isotherm indicated that there is a sharp change in the dielectric properties of the adsorbed water at a degree of filling of 20%. The zeolites NaA-I and NaA-II possessed different values of the dielectric permeability eta at identical temperatures and degrees of filling, which is evidently due to differences in the mode of their manufacture. In spite of these differences, the same patterns were observed in both samples. The authors thank Ya. V. Mirskiy and B. A. Lipkind for providing zeolite samples for analysis. Orig. art. has: 3 figures, 3 formulas and 1 table. [JPRS: 38,967]

SUB CODE: 07, 20 / SUBM DATE: 26Feb64 / ORIG REF: 008 / OTH REF: 008

Card 2/2

FEDOROV, V.M.; GLAZEN, R.A.; ZHILENEOV, I.V.; DEBLUT, IV.

Dielectric projection of water adsorbed by seclines. Report No.1:

Dielectric important has system NaA zeoline organics - under at low pricis m. Tax. AN SONE Ser. Ind., political, 192. B 162, (PHA 18:1)

1. Veromenianly cellubekingsystem anyy lengths: i Bustich fivicheskry minut AN SONE.

L <u>26553-66</u> EMT(m)/T ACC NR: AP6017357	SOURCE CODE: UR/CO52/66/COD/003/0393/0398
100 1111 74 001/99/	36
AUTHOR: Glazun, B. A.; Fedorov,	V. M.; Dubinin, M. H.; Zhilenkov, I. V.
ORG: Voronezh Agricultural Inst Institute of Physical Chemistry,	itute (Voronozhskiy sel'skokhozyaystvemnyy institut); AN SSSR (Institut fizicheskoy khimii AN SSSR)
TITLE: Investigation of the die Report 2. Low-temperature relax with low fillings	lectric properties of water absorbed by zeolites. ation in the crystalline system, NaA zeolite-water
SOURCE: AN SSSR. Izvestiya. S	eriya khimicheskaya, no. 3, 1956, 393-398
TOPIC TAGS: zeolite, dielectric	property
fillings was studied at frequence Two relaxation processes are obswhich are present in the dehydra in the content of adsorbed water with the relaxation of the adsorwas made, based on dielectric meactive sites in the zeolite. The	tor of NaA zeolite crystals with low water bies of 105-107 cps in the 90-250°K range. Servable. One of them corresponds to relaxers at decelite, and is suppressed with an increase red to the process is apparently associated rook water molecules themselves. An attempt assurements, to estimate the number of the most be authors thank Ya. V. Mirskiy for presenting Orig. art. has: 5 figures. JPRS
SUB CODE: 20, 07 / SUBM DATE:	O5Nov63 / ORIG REF: OO6 / OTH REF: OO4

GLAZUNOV, Aleksandr Aleksandrovich [decessed]; GLAZUNOV, Aleksandrovich; YEZHKOV, Y.V., red.; LARIONOV, G.Te., tekhn.red.

[Electric networks and systems] Elektricheskie seti i sistemy.

[Izd.4., perer. i dop. Moskva, Gos.energ.izd-vo. 1960. 367 p.

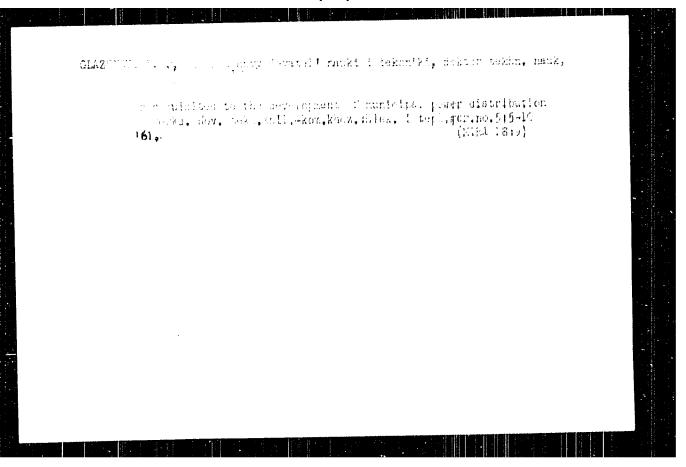
(Electric networks)

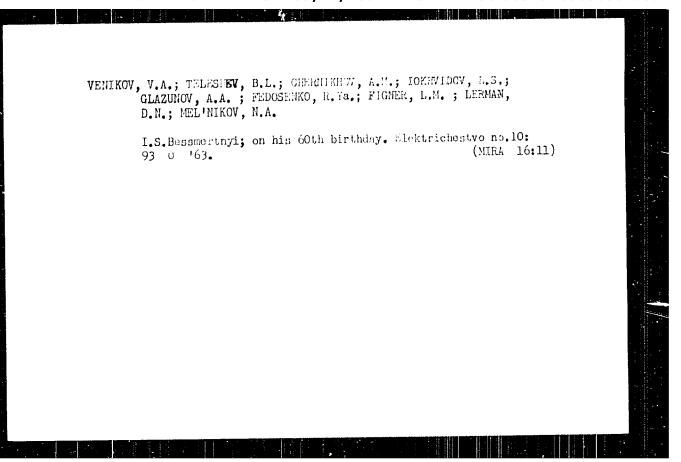
(Electric networks)

GLAZUNGV, A.A., doktor tekhn.nauk, prof. [deceased]

Beginning of Russia's electrification program. Trudy MEI
no.33:165-182 '60. (MRA 15:3)

(Electrification)





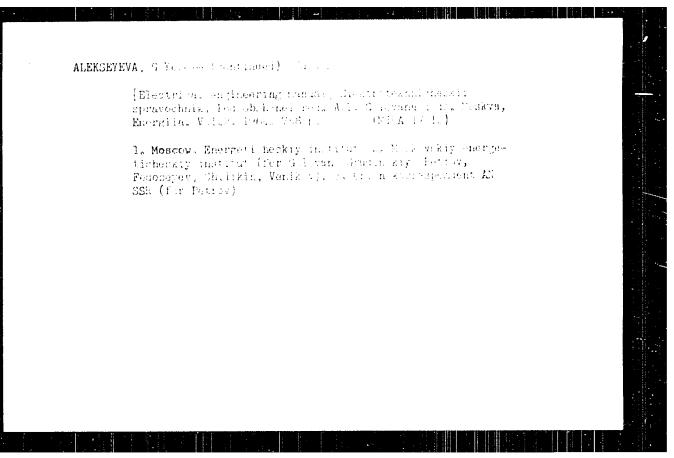
BELIKOV, V.A.; HEULIDIRTHYY, J.J.; GRAZUNGY, A.A.; ICHWYROV, J.J.; KCZLOV, V.A.; KLZIMIBOV, K.O.; INHER, G.V.; JC DATKLIN, L.A.; FEDCSEIKC, J.YA.

"Fundamental problems concerning the design of musicipal electric power distribution networks" by 1.1. Aircr berg and S.A. Mikogosov. Reviewed by V.A. Telikov and others. Dicktrichestve no.7.53-94 Ji 11. (HLA 15:7)

1. Poshovskiy inchesere-ekenomici mkiy institut imeni
S. Ordzeedindes (for Adrikov). 2. dipreheme menerge (for
Bessmertigy). 3. Neckowskiy (norgation chiy institut (for Glazunov,
Soldatkina). 4. Neckowskiye rayemopa upravientye energeticheskogo
khozyapstva (for fokhridov). 5. Leningradskaya kabelinaya seti
Leningradskojo upravlenija energokhozyapstvom davenergo
Ministerstva ekektrostantsky 335R (for Forkov). 6. Nesinzhproyekt
(for Neznetsov). 7. Upravleniya je projektirovankyu zhilishchnograzhdanskogo i homamalinogo siratelistva g. Noskvy (for Niror).
8. Akademiya komamalinogo khonyaystva in. N.D., Landilova (for
Fedocenko).

(Electric power distribution)
(Algenberg, L.L.) (Nakaposov, J.M.)

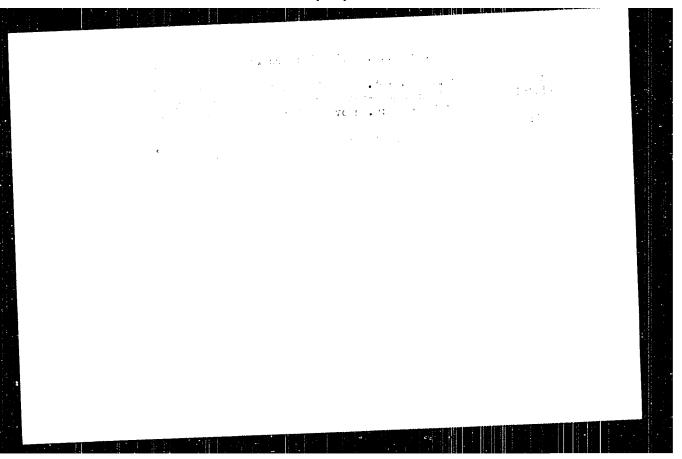
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VENIKOV, V.A.; GLAZUNOV, A.A.; KAZAK, N.A.; LITVAK, V.L.;
SYROMMATNIKOV, I.A.

Concerning the training of engineers—electricians in the field of "electric power supply of industrial enterprises and cities." Elektrichestvo no.2:94-95 F *64.

(MIRA 17:3)



L 2968-66 EWT(d)/EWP(k)/EWP(1) ACCESSION NR: AP5026355

UR/0105/64/000/009/0091/0091

AUTHOR: Bel'kind, L. D.; Venikov, V. A.; Glazunov, A. A.; Grudinskiy, P. G.; Zhadin, K. P.; Zhebrovskiy, S. P.; Lapitskiy, V. I.; Neklyudov, B. K.; Pavlenko, V.A. Razevig, D. V.; Rossiyevskiy, G. I.; Safonov, A. P.; Sokolov, N. I.; Soldatkina, L.A. Tayts, A. A.; Ul'yanov, S. A.; Fedoseyev, A. M.; Kheyster, V. A.

TITLE: Professor B. A. Teleshev on this 70th birthday and the 45th anniversary of his engineering, scientific, and teaching activity

SOURCE: Elektrichestvo, no. 9, 1964, 91

TOPIC TAGS: electric engineering personnel

ABSTRACT: Boris Arkad'yevich Teleshev was seventy years old 12 Earch 1964. He graduated from the electromechanical department of the Petrograd Polytechnic Institute in 1917 and gained the title Electrical Engineer in 1920. In the Union of Electric Power Stations of the Moskovskiy rayon, Teleshev was one of the founders of the first dispatcher service of the Ebscow Power System, the chief dispatcher of this system, the manager of the high-voltage networks of the Moscow Union, the chief engineer in construction of the Moscow high-voltage network and of the high-voltage networks of the

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Moskovskiy rayon and the chief engineer in construction of the Bobrikovsk (now Novomoskovsk) hydroelectric station. In connection with the reorganization of construction in 1931, Teleshev was transferred to Energostroy, first as chief engineer of the Moscow division and then as deputy chief of the design administration of Energostroy (now Teploelektroproyekt). In 1934, Teleshew took the post of assistant director of the Scientific Section. of the Power Engineering Institute imeni Krzhizhanovskiy of the Academy of Sciences USSR and worked as the immediate assistant to Academician G. M. Krzhizhanovskiy in directing the Institute until 1946. Starting in 1923, he did scientific research work first at the Moscow Institute of Mechanics im. Lomonosov and then at the Institute of National Edonomy im. Plekhanov. After the founding of the Moscow Power Engineering Institute in 1930. Teleshev transferred to that Institute and worked there until 1940. Here he was Lecturer of the Department of "Central Electric Stations" and a professor in the department. He received his professorship in 1933. He was Dean of the Electric Power Department of the Institute from 1932-1935. In 1940, Teleshev was made director of the Department of Electrical Engineering of the Moscow Institute of Fine Chemical Technology where he remained until 1955. In 1944 he took part in organizing the Power Engineer-

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· ACCESSION NR: AP5026355

ing Department of the Moscow Institute of Emgineering Economics im. S. Ordzhonikidze. From 1946 to the present, Teleshev has been director of the Department of "Electric Stations and Stations" and there have been two printings of his textbook on a course in "General Electrical Engineering." Telesher has acted in a consultative capacity in plans for a great number of electrical stations and networks. He participated in the Government Consultation on the Dneper hydroelectric station im. V. I. Lenin. He has been an active member of the Scientific and Technical Scolary of the Power Industry for more than 20 years. He was chairman of the Moscow board of the Society from 1944 to 1951. For his service to the Society, he has been made a permanent member. In 1950 he was elected deputy in the Moscow Council of Deputies of the Workers. He has been decorated with the Order of Lenin, the Order of the Red Banner of Labor and with medals.
Orig. art. has: 1 figure.

ASSCCIATION: none

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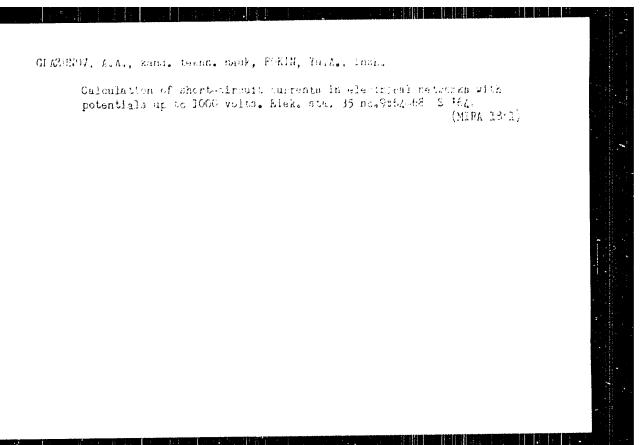
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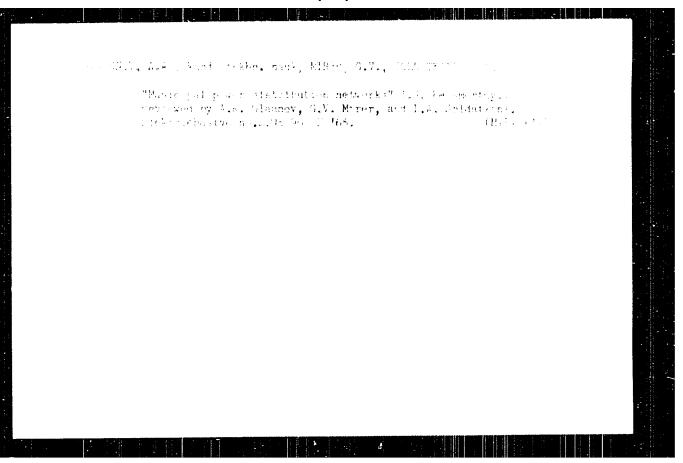
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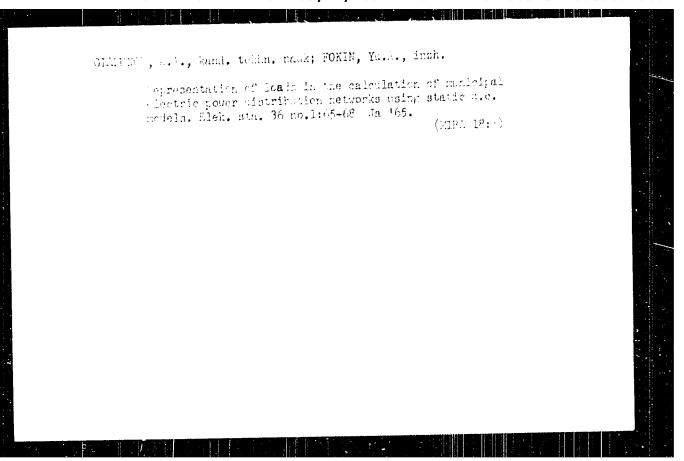
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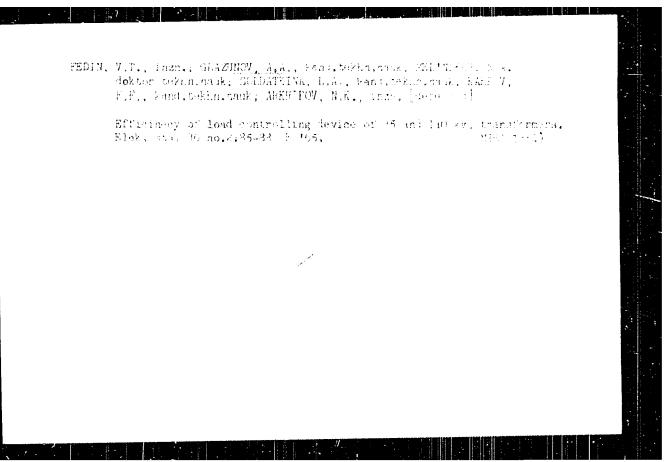
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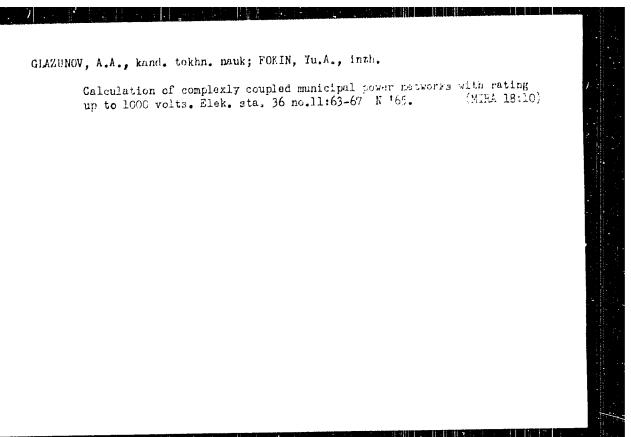
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CIA-RDP86-00513R000500020007-7

L 22593-66 ACC NR: AP6013000

SOURCE CODE: UR/0105/65/000/006/0091/0091

AUTHOR: Bamdas, A. M.; Bol'sham, Ya. M.; Borchaninov, G. S.; Glazunov, A. A.; Zalesskiy, A. M.; Konstantinov, B. A.; Livshits, D. S.; Lychkovskiy, V. L.; Killer. G. R.; Petrov, I. I.; Pleskov, V. I.; Samover, M. L.; Syromyatnikov, I. A.; Chilikin, M. G.

ORG: none

TITIE: Professor Yu. L. Mukoseyev (on the occasion of his 60th birthday)

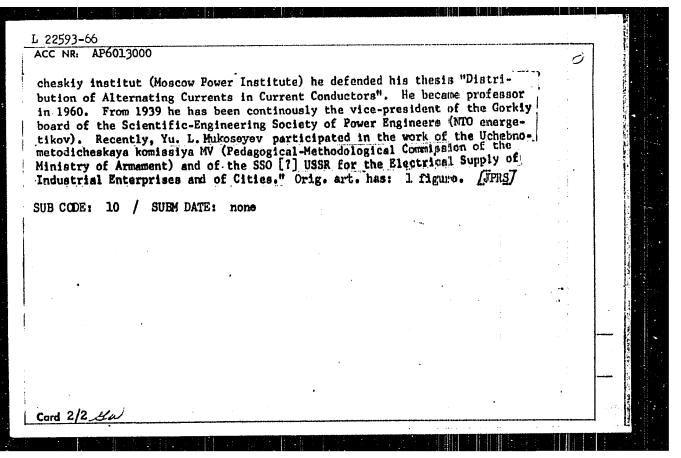
SOURCE: Elektrichestvo, no. 6, 1965, 91

TOPIC TAGS: scientific personnel, electric power production

ABSTRACT: Professor Yuriy Leonidovich Mukoseyev, 60, chairman of the department "Elektrosnabzheniye promyshlennykh predpriyatiy i gorodov (Electrical Supply of Industrial Enterprises and Cities)" of the Gor'kovskiy politekhnicheskiy institut (Gor'kiy Polytechnic Institute) began his studies at the Gorkiy (Nizhegorod) University. After several years at the "Krasnoye Sormovo" plant he joined in 1935 the Glavelektromontazh system where in 27 years he advanced to the position of chief engineer of the Gorkiy section of the designing institute Elektroproyekt. In 1951 he published his book "Voprosy elektrosnabzheniya promyshlennykh predpriyatiy (Problems of Electrical Supply of Industrial Enterprises)"; in 1956 at the Moskovskiy energeti-

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UDC: 621.311



307/6.-16-15-733

AUSHOW: Glazunov, A.A. and Agafonov, M.P.

Flate: Methodo of Intermitation of Dephonolising Plants Paulous JAD: Hoha i minimiza, 1939, for 7, pp 47 - 49 (ULIM)

Additionally operation (see Figure 1).

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The absorption part consists of four counter current (vapour-alimbi) seages - two in the boson pert of each scrubter. The first section (in respect of alimbi) is periodically sprayed every 15 minutes with fresh 8 - 10° alimbi which then passes into the recond section which is additionally oprayed with a weak alimbi-phenolite mixture taken from the bostom of the scrubter (see Figure 1).

There is 1 figure.

ABSOUTATION: Tenakiyevskiy kuksokhimicheskiy savod (Tenakiyevo gard 1/1 Coking Works)

£7068/60/000/001/004/006 E071/E433

AUTHORS

Glazunov, A.A., Glezer J.G., Ionina, M.A. Edel'man, Sh.I. and Zemblevskiy, K.K.

TITLE

Utilization of the Pyrolysis Tar-Wash Product From

Synthetic Alcohol Plants

PERIODICAL. Koks i khimiya, 1960. No. 1, pp. 44.47

TEXT In utilizing petroleum and natural gas in the production of synthetic alcohol, the gases are cracked in order to increase their ethylene/content. The tar formed during the process under the name of pyrolysis tar was treated as a waste product. The authors carried out an investigation of the chemical composition of this product in order to determine its possible application for the production of aromatic hydrocarbons, A sample of the tar from the Saratov Works was taken for the investigation (sp.gr. 0.873. IBB 65°, 100° 54% 125° 68% 150° 75%, 180° 86%). Rectification on a column equivalent to 24 theoretical plates (Table 1) indicated that the tar contained about 50% of benzole, toluole, xylcle and solvent naphtha, unsaturated compounds were distributed non-uniformly concentrating mainly in the head and

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Utilization of the Pyrolysis Tar-Wash Product From Synthetic Alcohol Plants

bottom fractions. Laboratory investigations of the washed fraction boiling to 180°C (Table 2) indicated that it can be used for the production of pure benzole (synthetic grade). high wash losses (35.9%) the boiling range of the fraction most suitable for further treatment was determined as 79 to 135°C. Laboratory results were confirmed on an industrial batch unit (Table 4) The following products can be obtained: heads and losses 19.7% benzole 32.2% toluole 12.2% xylole 1.6%. solvent naphtha 13.8% residues 16.2%, washing losses 4.3%. About 65% of benzole can be obtained of a synthetic grade. Residues contained about 63% of unsaturated suitable for the production of resins. However, the residue could not be processed together with benzole residues on the Works coumarone resin plant. Their further processing is being investigated processing of the pyrolysis tar was started on the Works according to the scheme shown in Fig.1. It consists of batch distillation with the collection of four fractions forerunnings up to 70°C. BTX fraction (live steam) 79 to 90°C solvent naphtha (live Card 2/3

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Utilization of the Pyrolysis Tar-Wash Product From Synthetic Alcohol Plants

steam) 90 to 100°C and still residues. The washed 2TX fraction is distilled on a continuous plant with collection of pure benzole and BX residues. The latter are passed through a continuous toluene column with the collection of pure toluole and residues which are then processed in a batch unit with the collection of the TK fraction (returned to the toluene column), xylole, solvent naphtha and residues. It is concluded that at present the processing of the pyrolysis tar on existing coke oven plants would be advantageous. The design of a special central plant of a large capacity for the processing of all the available pyrolysis residues is recommended. There are 2 figures and 4 tables

ASSOCIATIONS: Yenakiyevskiykokosokhimicheskiy zavod (Yenakiyevo

Coking Works) Glazunov, A.A., Glezer, I.G.,

Ionina M.A. and Edel man. Sh.I.

Stalinskiy sovnarkhoz (Stalino Sovnarkhoz)

Zemblevskiy, K.K.

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